

OPERATING PERMIT FOR FACILITIES
RECEIVING SOLID WASTE

NAME AND STREET ADDRESS OF FACILITY	TYPE OF FACILITY CLASS III	FACILITY/PERMIT NUMBER 23-AA-0021
6199 BERRY CANYON RD AKA CANYON RD WILLITS CA 95490	NAME AND MAILING ADDRESS OF OPERATOR CITY OF WILLITS 111 E COMMERCIAL STREET WILLITS CA 95490	
PERMITTING ENFORCEMENT AGENCY Mendocino County Health Department Division of Environmental Health	CITY/COUNTY UKIAH/MENDOCINO	

RECEIVED

NOV 18 1992

PERMIT

CITY OF WILLITS

This permit is granted solely to the operator named above, and is not transferrable.

Upon a change of operator, this permit is subject to revocation.

Upon a significant change in design or operation from that described by the Plan of Operation or the Report of Station or Disposal Site Information, this permit is subject to revocation, suspension, or modification.

This permit does not authorize the operation of any facility contrary to the State Minimum Standards for Solid Waste Handling and Disposal.

This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other government agencies.

The attached permit findings, conditions, prohibitions, and requirements are by this reference incorporated herein and made a part of this permit.

APPROVED: <i>Candi L. Zizek REHS III</i> APPROVING OFFICER Candi L. Zizek, REHS III NAME/TITLE	AGENCY ADDRESS Mendocino County Health Department Division of Environmental Health 880 N BUSH ST UKIAH CA 95482	
SEAL.	AGENCY USE/COMMENTS	
	PERMIT RECEIVED BY CWMB SEP 3 1992	CWMB CONCURRENCE DATE OCT 29 1992
	PERMIT REVIEW DUE DATE 11-16-97	PERMIT ISSUED DATE 11-16-92

SITE HISTORY

In January, 1974, the City of Willits (City) and the County of Mendocino (County) jointly acquired a 355 acre parcel, 16.2 acres of which are currently in use as a municipal solid waste site servicing city residents and the surrounding population. At the present volumes, final grades will be completed by about October, 1994.

The County has asked the City to consider accepting a portion of the Caspar wasteshed for disposal at the Willits site. The Caspar landfill is currently under a cease and desist order by the Regional Water Quality Control Board, and is also rapidly reaching its permitted capacities. Caspar closure operations are also currently underway and the County seeks an interim solution for a portion of that waste stream. The Joint Powers Authority (JPA) is actively seeking a regional site as well as exploring the option of transporting waste out of the County.

The proposed expansion of 3.1 acres, together with the plan to accept Caspar waste requires a permit revision as the annual tonnage accepted changes significantly from 6,500 to 12,500 tons per year, and the final area proposed for solid waste disposal at this site changes to 19.3 acres.

FINDINGS

1. Description of facility design and operation:
 - 1A. Site is jointly owned by Mendocino County and the City of Willits. Operator and manager is the City of Willits, 111 E. Commercial Street, Willits, California 95490.
 - 1B. Site is located approximately 7 miles northeast of the City on the south side of Berry Canyon Road, in Sections 11 and 12 of Township 18 North and Range 13 West (Mount Diablo Base and Meridian) as shown on general location map (figure 1). Landfill currently occupies approximately 16.2 acres of a 355 acre parcel. The expansion proposal adds approximately 3.1 acres to the landfill footprint, with a resulting total acreage of approximately 19.3 acres. A detailed map (figure 2) shows all on site structures and entry roads. Also detailed are structures within 1000 feet of the perimeter of the property.

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- 1C. Landfill site contains no physical plant, platforms, stationary equipment, permanent buildings, ramps or storage areas. Portable structures at this site include a small trailer for the attendant, a portable potty for employees and several metal bins for recyclable materials. Drop-off locations have been established for salvaging metals, yard waste, etc. Bins and collection areas are kept portable so they may not interfere with progress on the working face.

Equipment normally utilized at this site includes one 1978 International TD 25C Bulldozer and one 1987 John Deere Scraper. Purchase of a compactor to enhance operations and capacity/site life is under consideration.

As of January 1, 1992, the remaining design capacity of the combined active area at the top and the proposed toe expansion is estimated to be 151,000 compacted cubic yards, or 75,500 tons.

- 1D. The majority of waste entering the landfill is residential and commercial solid wastes consisting of paper products, food wastes, glass products, metal products, yard wastes, wood, plastic products, cloth, rubber, leather, synthetics, and inerts (dirt, rocks, etc).

Estimated percentages by general type of refuse received at the landfill are 48 percent commercial/residential (compacted), 32 percent commercial (loose) and 20 percent typical residential (loose).

Prohibited at this landfill are public scavenging, open burning and the disposal of the following wastes:

- *hazardous wastes
- *infectious wastes
- *dead animals
- *auto bodies
- *septic tank pumpings
- *drilling muds
- *other special liquids

- 1E. The facility presently receives an average of 6,500 tons of refuse per year or 18 tons per operating day. Given the present equipment and staff, this site could process 40 tons an hour, or a peak load of at least 200 tons in a working day (RDSI p.2).

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With the addition of Caspar and Laytonville to the Willits waste stream, a projected service life to January 1998 is estimated. An estimated in-place density of 1,000 pounds per cubic yard was assumed to project site life from annual waste volumes from the three watershed areas. Greater in-place density may be achieved by acquiring a new landfill compactor.

Five (5) year average load capacity

Fiscal year	Compacted Cubic Yards	Tons
01/01-06/30/92	6,500	3,250
92/93	25,900	12,950
93/94	25,390	12,695
94/95	24,250	12,125
95/96	23,170	11,585
96/97	22,140	11,070
97/98	21,164	10,582
98/99	<u>20,242</u>	<u>10,121</u>

Total waste received= 168,756 CCY or tons= 84,378

At this time, with an available 151,000 cubic yards from January 1, 1992, the shortest anticipated site life extends to early 1998.

151,000 Compact cubic yards X $\frac{1000 \text{ lbs/CCY}}{2000 \text{ lbs/ton}}$ = 75,500 tons remaining capacity

- 1F. Public site access is from Berry Canyon Road. Vehicles proceed on a two-lane, all-weather rock road toward the working face area. Drop-off areas and bins are available for disposing of recyclables and divertable materials before paying for and disposing of garbage.

Waste haulers and self haulers unload their solid waste at the toe or crest of the active face. Waste is then spread over the active face slope in layers no more than 2 feet thick. Refuse is compacted onto the slope by repeatedly passing over it with the bulldozer 3-5 times until it is satisfactorily compacted. When using a crawler tractor for pushing and compacting wastes, the equipment operator attempts to develop the working face to a 3:1 slope. Waste is spread against the slope; the machine works up and down, tearing and compacting the waste.

Individual waste cells will be approximately 7 to 10 feet thick. Refuse will be covered with a minimum 6-inch layer of compacted soils at least once every 48 hours, or daily if more than 50 tons/day are accepted.

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A minimum thickness of 1 foot of compacted intermediate cover is placed on operating areas that will not be used again for more than 180 days. A minimum of 2 feet of compacted foundation cover layer is placed on any completed areas.

Waste haulers exit facility by the same route that they enter.

- 1G. Currently, metal bins are provided for aluminum, cardboard, paper, newsprint, glass and plastics. Drop-off location areas are provided for divertable materials such as miscellaneous metals, appliances, batteries, tire and wood/yard wastes.

Materials diverted and removed from the site are as follows:

<u>Material Category</u>	<u>Removed by</u>	<u>Removal Frequency</u>
aluminum, paper newsprint, glass cardboard, plastic	Solid Waste of Willits	2-3 weeks
metals & appliances	City of Willits	2-3 months
batteries	Economy Battery Service of Lakeport or Caveman Battery Service of Sebastopol	2 months
tires	Bill & Fred's Tire Service of Sebastopol	3-4 months
Wood/Yard Waste	Bio/Waste, Inc.	3-4 months

Yard and wood wastes are often processed (ground or chipped) by a contractor at the site prior to removal to the Willits Wastewater Treatment Facility or Bio/Waste Inc. for composting. No composting occurs at the Willits SWDS.

When fill operations are transferred to the toe expansion area, drop-off facilities will follow. Because of reduced area for recycling storage at the expansion, the City is evaluating alternative locations for recycling offsite.

A resale facility or area is planned at the landfill site, possibly in late 1992. Materials brought to the site that still may have value will be set aside for purchase and removal. If area near the working face is too limited, the location of the resale facility may be near the top of the landfill or at a relocated recycling center near the city.

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Hazardous wastes such as batteries or oil, shall be handled in a manner approved by the enforcement agency and the Board.

- 1H. The key element in the hazardous waste exclusion program for the Willits SWDS is a periodic load-checking program focusing on wastes delivered from commercial and industrial sources. The City will train staff to examine loads at random to detect and discourage attempts to dispose of hazardous or unacceptable wastes at the site.

Upon selecting a random load for inspection, the following information will be recorded on a data form: (1) date, (2) time, (3) name of the hauling firm or vehicle owner, (4) name of the driver, (5) telephone number for contacting, (6) license plate number and truck number of the vehicle, and (7) the source (s) of the waste as stated by the vehicle driver. The driver will sign the form.

To check the load, the operator will designate the location for discharging the wastes and instruct the driver to pull forward while unloading. The long windrow formed will then be spread and torn using on-site equipment to separate and allow observation for hazardous or unacceptable wastes. The inspector will sample and test any freely draining liquids in the refuse. Noted on the data form will be pH, odor, color and any other observations.

Pictures and samples will be taken if appropriate. If any hazardous or other unacceptable wastes are identified, site personnel will immediately cordon off designated area. Operator is to immediately notify supervisor, and, if needed use 911 to contact Mendocino County Hazardous Material unit which will be responsible for assessment, directing and cleanup. Assessment process will determine "significant" versus "nonsignificant" discovery of hazardous wastes based on type and quantity of material discovered. Transport and disposal of the wastes will be done by utilizing hazardous waste haulers or safety specialist. The incident and response will be recorded in the site records.

If the producer of the waste is known, the producer will be immediately contacted and notified of the incident and the action taken. Producer will be billed for all additional costs incurred in the proper cleanup, transport, and disposal of the waste. If the producer of the waste is unknown, the hauler will be responsible for all costs.

Throughout the waste handling process the operator's site personnel will follow the proper safety procedures for worker protection from hazardous materials.

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Significant unlawful hazardous disposal incidents will be reported to specific agencies:

*California Regional Water Quality Control Board 707 576-2220
*Department of Public Health 707 463-4466
*California Integrated Waste Management Board 916-255-2200

Additional hazardous waste exclusion procedures include posted entrance signs, pre-notification of commercial and industrial customers, observation by site personnel, and a specific handling policy for known offenders.

Signs at landfill entrance clearly state types of wastes not accepted at the site. Examples given in nontechnical language include flammable liquids, explosives, pesticides, acids, caustics, poison, and waste chemicals.

City will notify by mail commercial and industrial customers of the following:

- *hazardous and other wastes not accepted at this site
- *load checking program in effect
- *producer will be billed for removal and proper disposal
- *federal and state penalties for improper disposal

In addition to observations in the load checking program, employees of Willits SWDS question drivers about load contents, do visual inspections of incoming loads, and are directed to identify potentially harmful wastes that may be delivered to the site.

Special caution procedures are established for accepting wastes from sources, vehicles and hauling firms that have previously attempted to deliver hazardous wastes. Known offenders will be banned from the landfill and reported to NCRWQCB and Mendocino County Environmental Health Department.

Additional measures may be required upon the request of the enforcement agency and/or the Board.

11. Anticipated changes in design or operation in the next five years include the expansion of the toe complete with liner and leachate collection system, recycling and salvaging operations, and the eventual replacement by the siting of a new regional solid waste disposal site. No further changes are sanctioned without a review.

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- 1J. Site access is provided to commercial haulers Monday through Friday from dawn to dusk; they generally arrive and depart between 8a.m. and 4p.m. General public access is allowed Tuesday, Wednesday, Saturday, and Sunday between 9a.m. and 4p.m.

Estimated remaining site life with proposed revisions is 75,500 tons of compacted waste at 1000 lbs/CCY. Estimated closure year is early 1998.

2. Agencies and documents that condition the operation and use of the facility:
- A. Report of Disposal Site Information May, 1992
 - B. Mendocino County Use Permit No. 025-69, expiration 2069.
 - C. Regional Water Quality Control Board Waste Discharge Requirements 92-107 and Revised Monitoring and Reporting Program 92-107, accepted on August 27, 1992.
 - D. California Department of Forestry (rubbish dump permit, SWFP no. 1-1057)
 - E. Environmental document: A Notice of Determination was filed June 23, 1992. Monitoring and Reporting Program for WSWF site expansion, Negative Declaration, SCH # 92053031.
3. The following findings are required pursuant to PRC 50,000, 50,000.5 and 44009.
- A. Permit is consistent with the County Solid Waste Management Plan (CoSWMP March 1987 Revision) (verification letter).
 - B. Permit is consistent with the standards adopted by the California Integrated Waste Management Board.
 - C. For new or expanded facilities, the appropriate county agency has determined that this facility is consistent with and designated in the General Plan (verification letter).
 - D. Documentation of the fraction of waste diverted at the facility in 1991 (8.6%) (RDSI p.9)
4. The design and operation of the facility are in compliance with the State Minimum Standards for Solid Waste Handling and Disposal as determined by the LEA on September 2, 1992.

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5. Verification letter from the local fire protection district that the facility is in conformance with applicable fire standards as required in PRC44151.
6. A Negative Declaration was prepared by Emcon for the City of Willits in May 1992. It was received by the State Clearinghouse (#92053031) on May 18, 1992. The site plan review was posted at Willits SWDS and at City Hall. Upon local adoption, a Notice of Determination was filed with the County Clerk and the Governor's Office of Planning and Research on June 23, 1992.
7. Mitigating measures and implementation schedule are submitted to the Board and included in the CONDITIONS portion of the permit.

CONDITIONS

1. Facility must comply with the State Minimum Standards for Solid Waste Handling and Disposal.
2. Facility must comply with all federal, state and local requirements and enactments, including all mitigation measures given in any certified environmental document filed pursuant to Public Resources Code, Section 210816.
3. Additional information must be provided as required by the enforcement agency.
4. At the discretion of the enforcement agency, landfill gas monitoring probes shall be installed for detection of gas migration. If needed, a landfill gas control system shall be installed.
5. Upon the expansion construction, the riparian area will be flagged for identification and will be monitored by a third party Construction Quality Assurance monitor contracted by the City of Willits.
6. A change in operator would require a new permit to operate.

PROHIBITIONS

1. Accepting wastes for which the facility is not approved: hazardous wastes, liquids, infectious wastes, dead animals, waste water treatment sludge, auto bodies, septic tank pumpings, drilling muds, etc.
2. Conducting unacceptable activities at the facility such as burning or scavenging.
3. Standing water on covered fill areas.

SPECIFICATIONS

1. The local enforcement agency (LEA) through this permit may prohibit or condition the handling of solid wastes in order to protect the public health and safety, protect, rehabilitate, or enhance the environment, or to mitigate adverse environmental impacts.
2. The operator shall not make any change that would cause the design or operation of the facility not to conform with the terms or conditions of the permit; such a change shall be considered a significant change and require a permit revision.
3. The facility has a permitted capacity of 200 tons per operating day and shall not receive more than this amount without first obtaining a revision of the permit.

PROVISIONS

1. This permit is subject to review by the local enforcement agency (LEA), and may be modified, suspended or revoked for sufficient cause after a hearing.
2. The operator shall comply with the monitoring and reporting program established by the North Coast Regional Water Quality Control Board.
3. Any complaints pertaining to the facility received by its operator shall be forwarded to the Local Enforcement Agency within two working days. This includes receipt of a notice of violation or notification of complaints about the facility received by other agencies.

CLOSURE AND POSTCLOSURE MAINTENANCE

1. All the documentation relating to the closure and postclosure maintenance costs shall be retained by the operator and shall be available for inspection by the LEA or staff of the California Integrated Waste Management Board.
2. The operator shall submit to the LEA copies of the preliminary plan for closure of the landfill and a preliminary plan for the postclosure maintenance of the landfill for approval by the LEA, the North Coast Regional Water Quality Control Board, and the staff of the California Integrated Waste Management Board. These plans shall be submitted by January, 1996.